IN THE CLAIMS

1. (Currently Amended) A non-aqueous electrolyte battery comprising:

a cathode including a cathode substrate and a cathode active material;

an anode including an anode substrate and, as an anode active material, one or more thin film layers containing a first metal that may be alloyed with lithium, said one or more thin film layers being formed by a thin film forming technique, said anode containing one or more of a second metal not alloyed with lithium, a third metal that may be alloyed with said second metal, a fourth metal not alloyed with said second metal, and a carbonaceous material capable of doping/undoping lithium ions; and

a non-aqueous electrolyte containing an electrolyte salt,

wherein the anode substrate is a high molecular weight polymer comprising one or more of a sulfur-containing resin, a nitrogen-containing resin, polyester, cellulose triacetate, ~~Mylar,~~ and polycarbonate.

2. (Previously Presented) The non-aqueous electrolyte battery according to claim 1, wherein said first metal is an alloy comprises one or more of Mg, B, Al, Ga, In, Si, Ge, Sn, Pb, Sb, Bi, Cd, Ag, Zn, Hf, Zr and Y.

3. (Previously Presented) The non-aqueous electrolyte battery according to claim 1, wherein one or more of said second metal, third metal, fourth metal and said carbonaceous material is contained in said thin film layer of said anode.

4. (Previously Presented) The non-aqueous electrolyte battery according to claim 1, wherein one or more second thin film layers comprising containing one or more of said second metal, third metal, fourth metal and said carbonaceous material is provided by film forming by a thin film forming technique in said anode in addition to said one or more thin firm layers.

5. (Previously Presented) The non-aqueous electrolyte battery according to claim 1, wherein one or more of a mixture layers comprising one or more of said second metal, third metal, fourth metal and said carbonaceous material and a binder is provided in said anode in addition to said one or more thin film layers.

6. Cancelled.

7. Cancelled.

8. (Previously Presented) The non-aqueous electrolyte battery according to claim 5, wherein said polymer has a true specific gravity not less than 0.9 g/cc and not larger than 1.8 g/cc.

9. (Previously Presented) The non-aqueous electrolyte battery according to claim 1, wherein said cathode active material of said cathode is a lithium metal oxide represented by the general formula $Li_xM_yO_z$, where M is one or more of Co, Ni, Mn, Fe, Al, V or Ti, with $x \geq 1$, $y \geq 1$ and $z \geq 2$.

10. (Previously Presented) The non-aqueous electrolyte battery according to claim 1, wherein said cathode and said anode are elongated and coiled along the longitudinal direction with an elongated separator in-between.